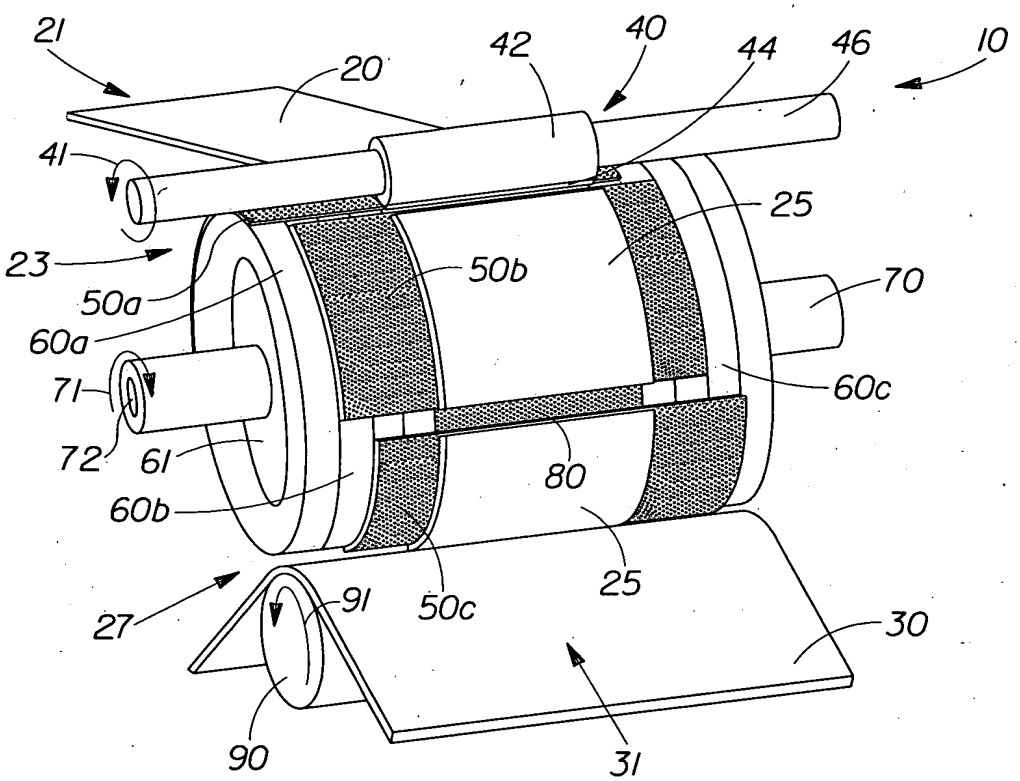
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27
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50c
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31

Fig. 1

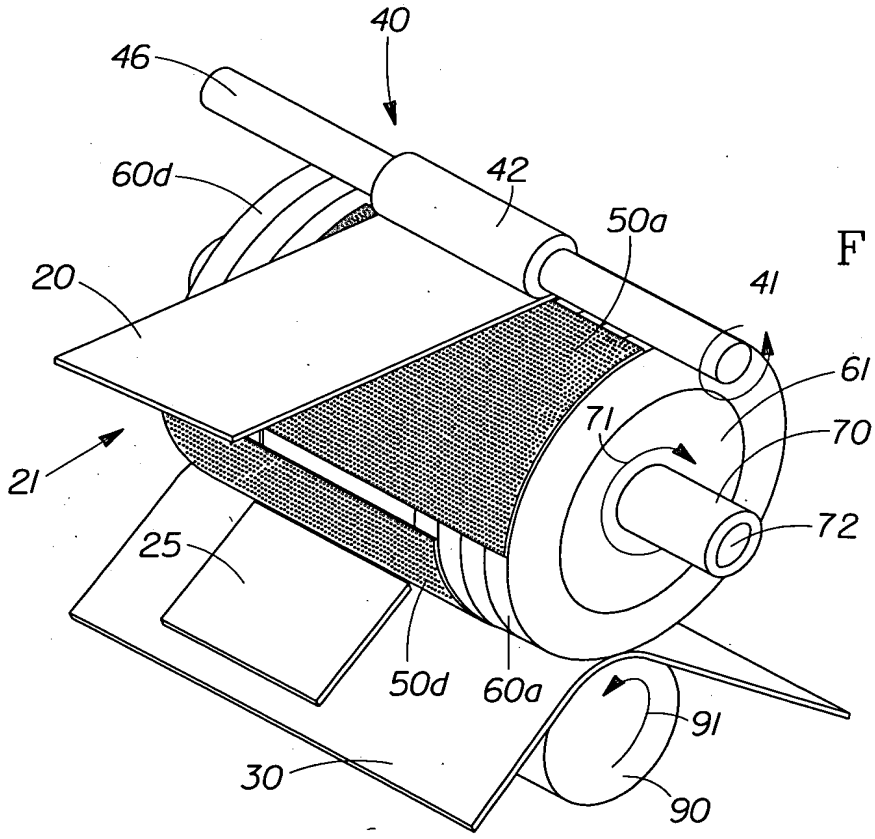
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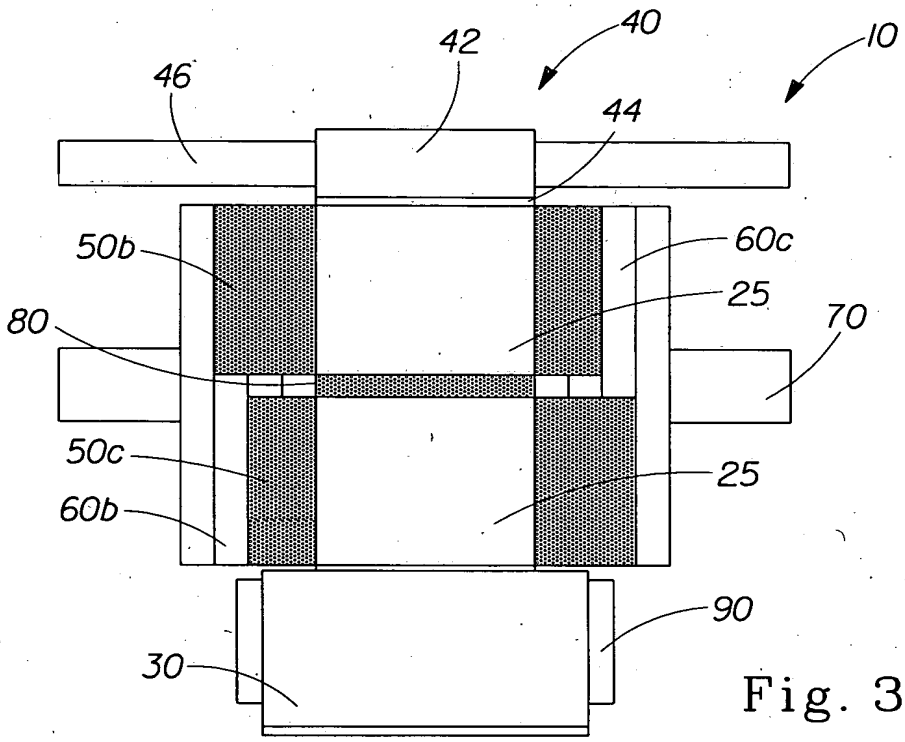
Fig. 2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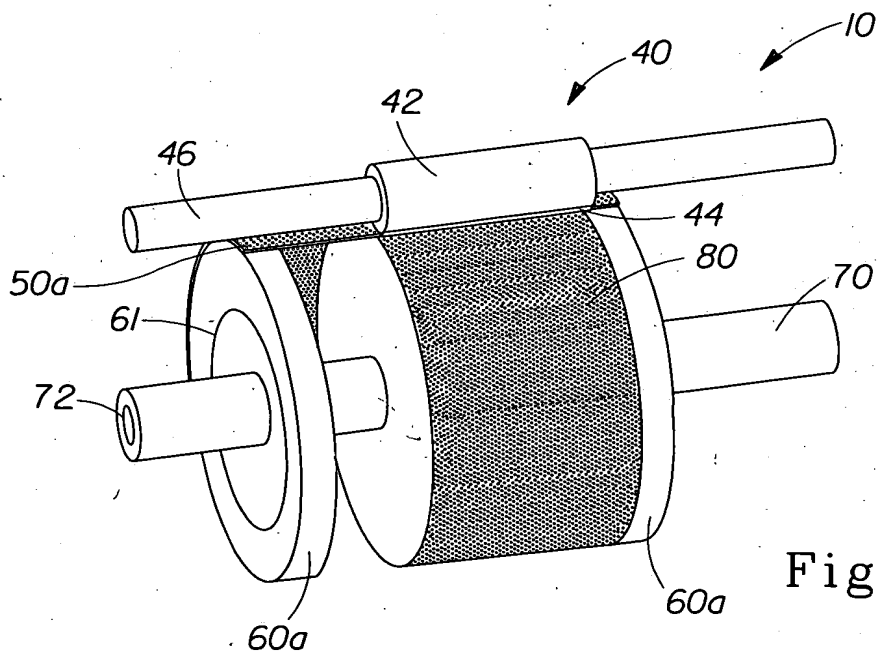
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Fig. 4

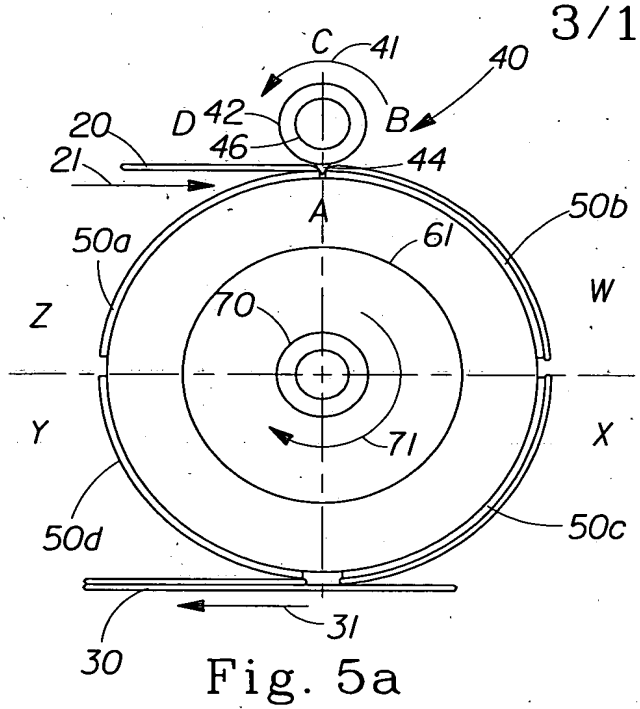


Fig. 5a

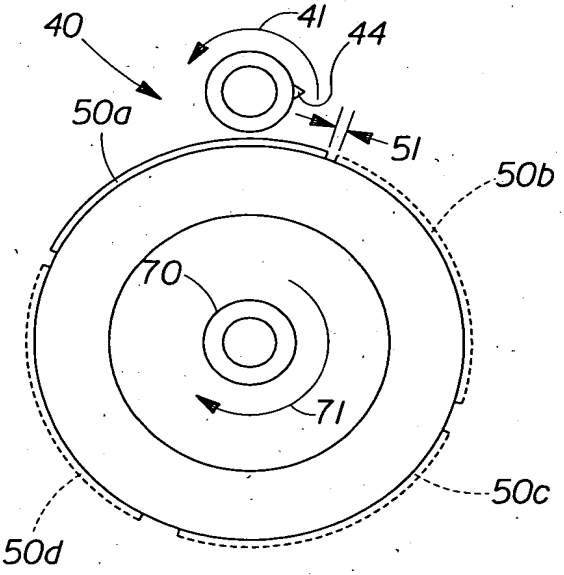


Fig. 5b

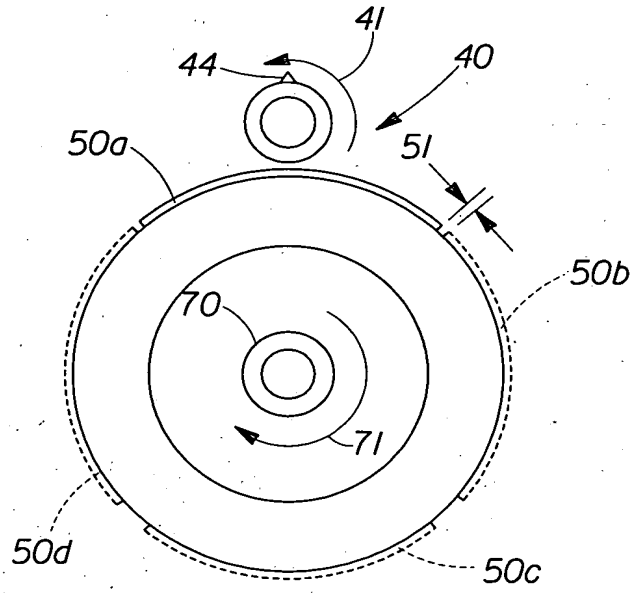
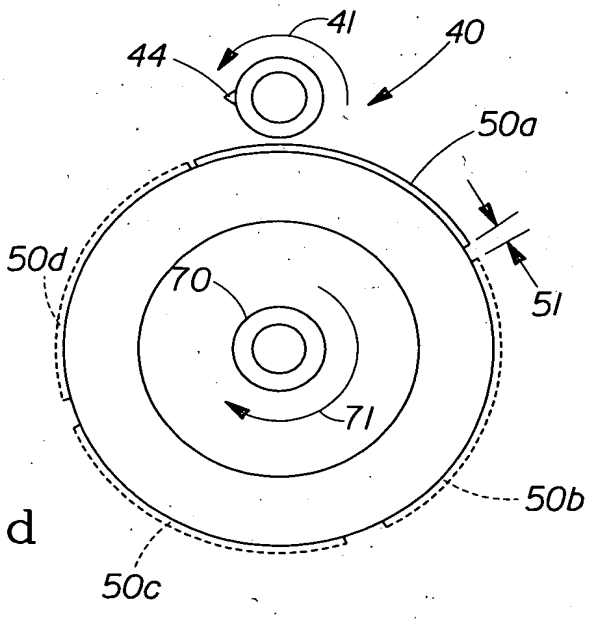


Fig. 5c



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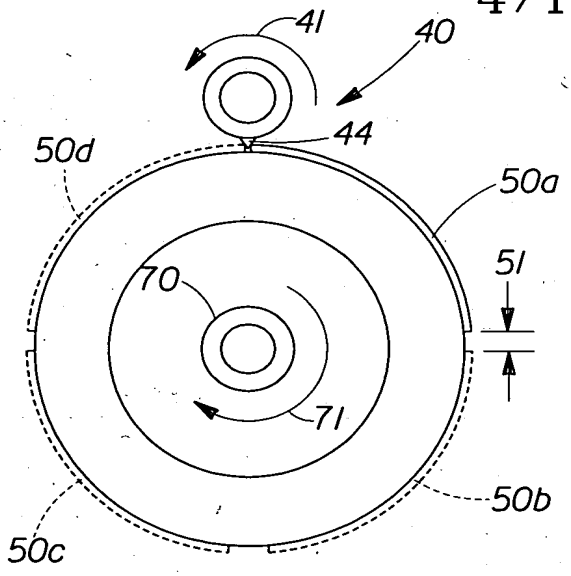

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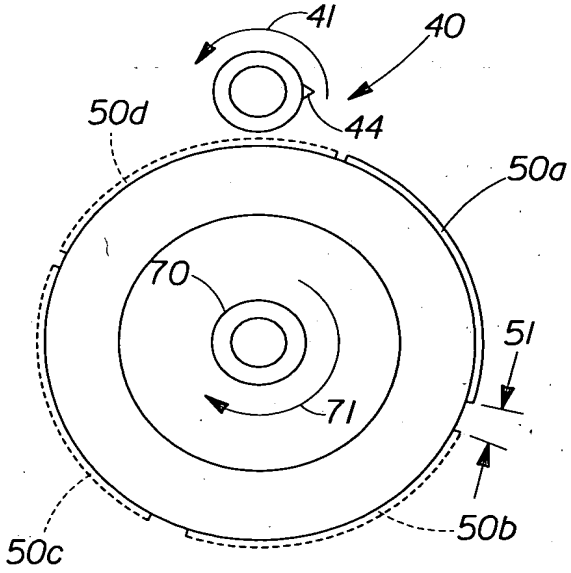

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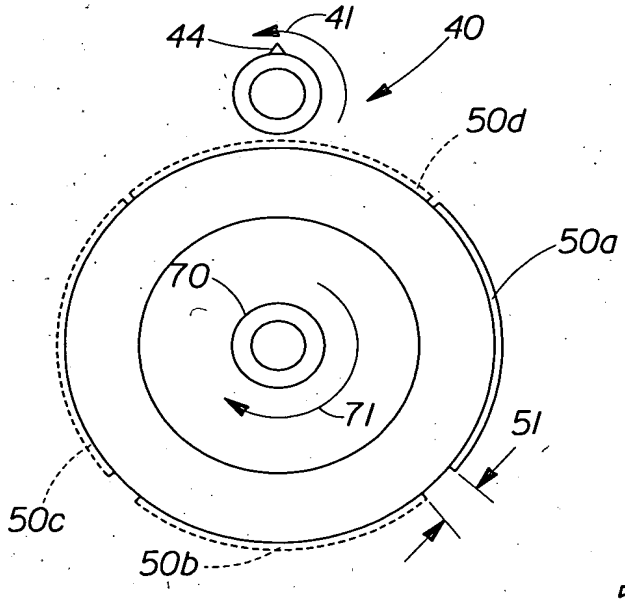

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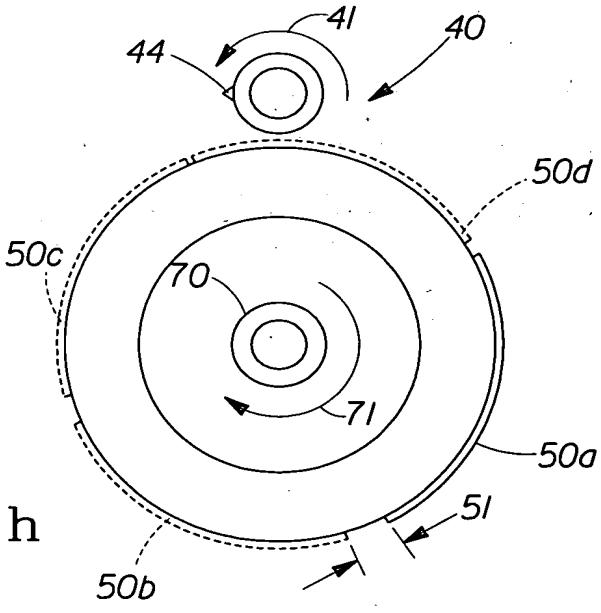

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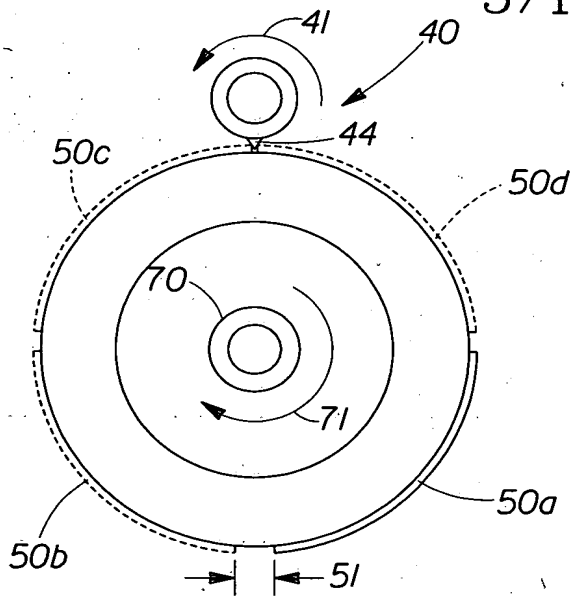

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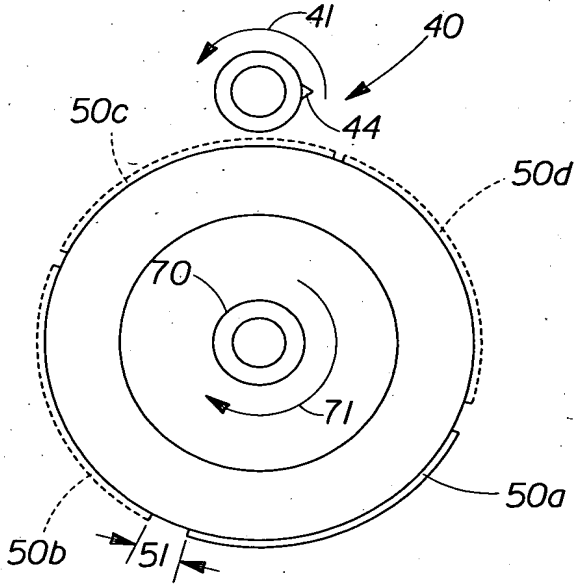


Fig. 5j

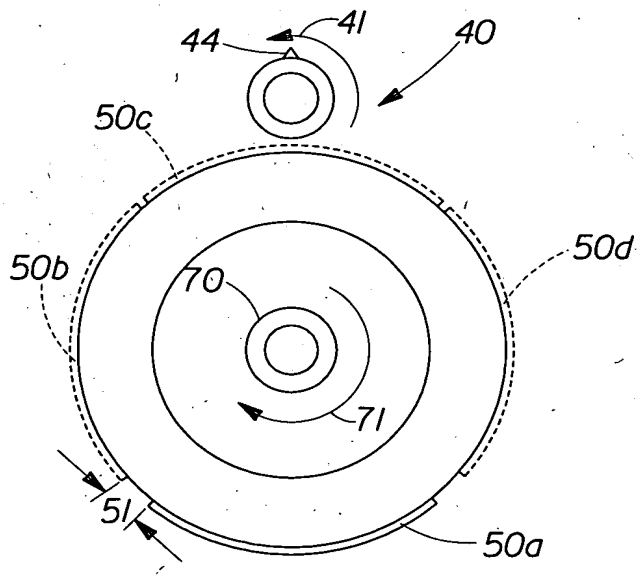


Fig. 5k

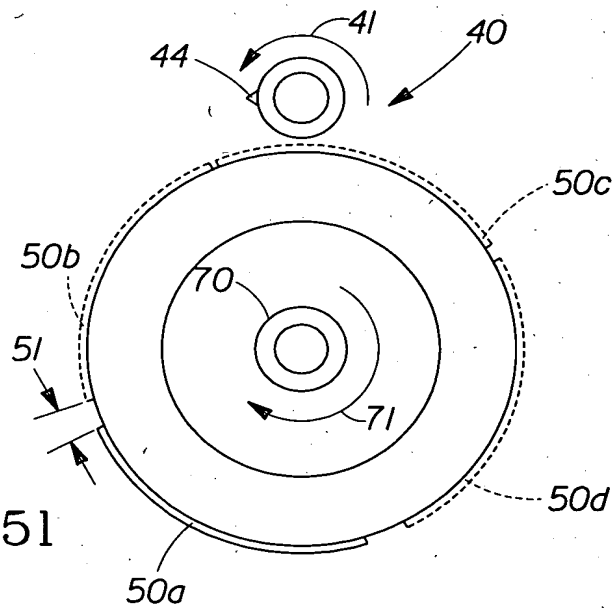
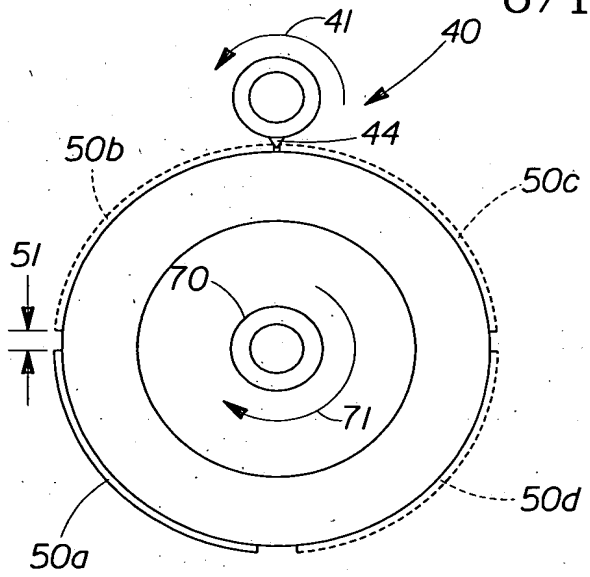


Fig. 5l



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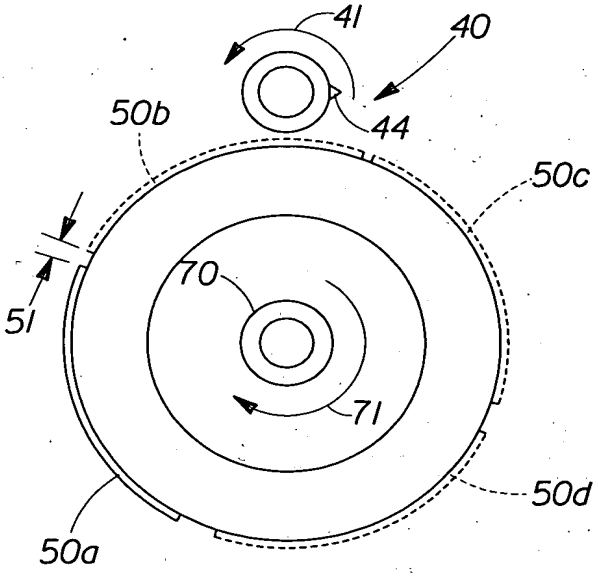


Fig. 5n

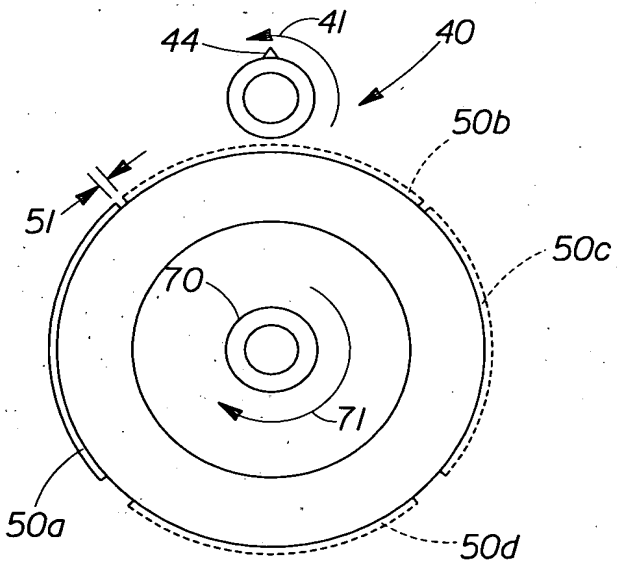


Fig. 5o

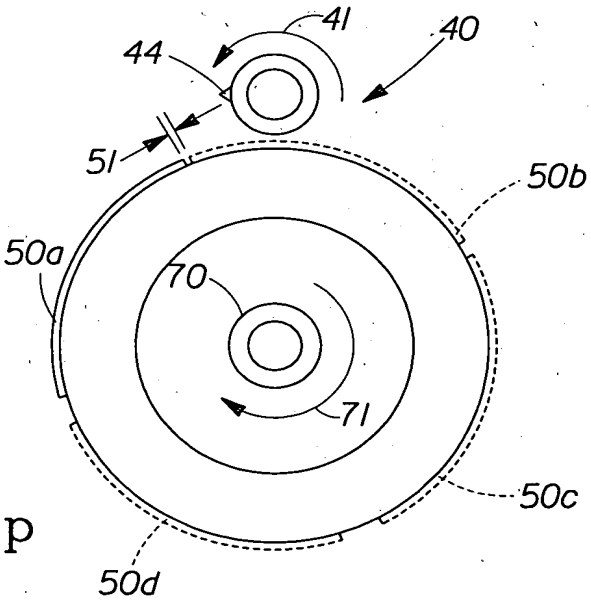
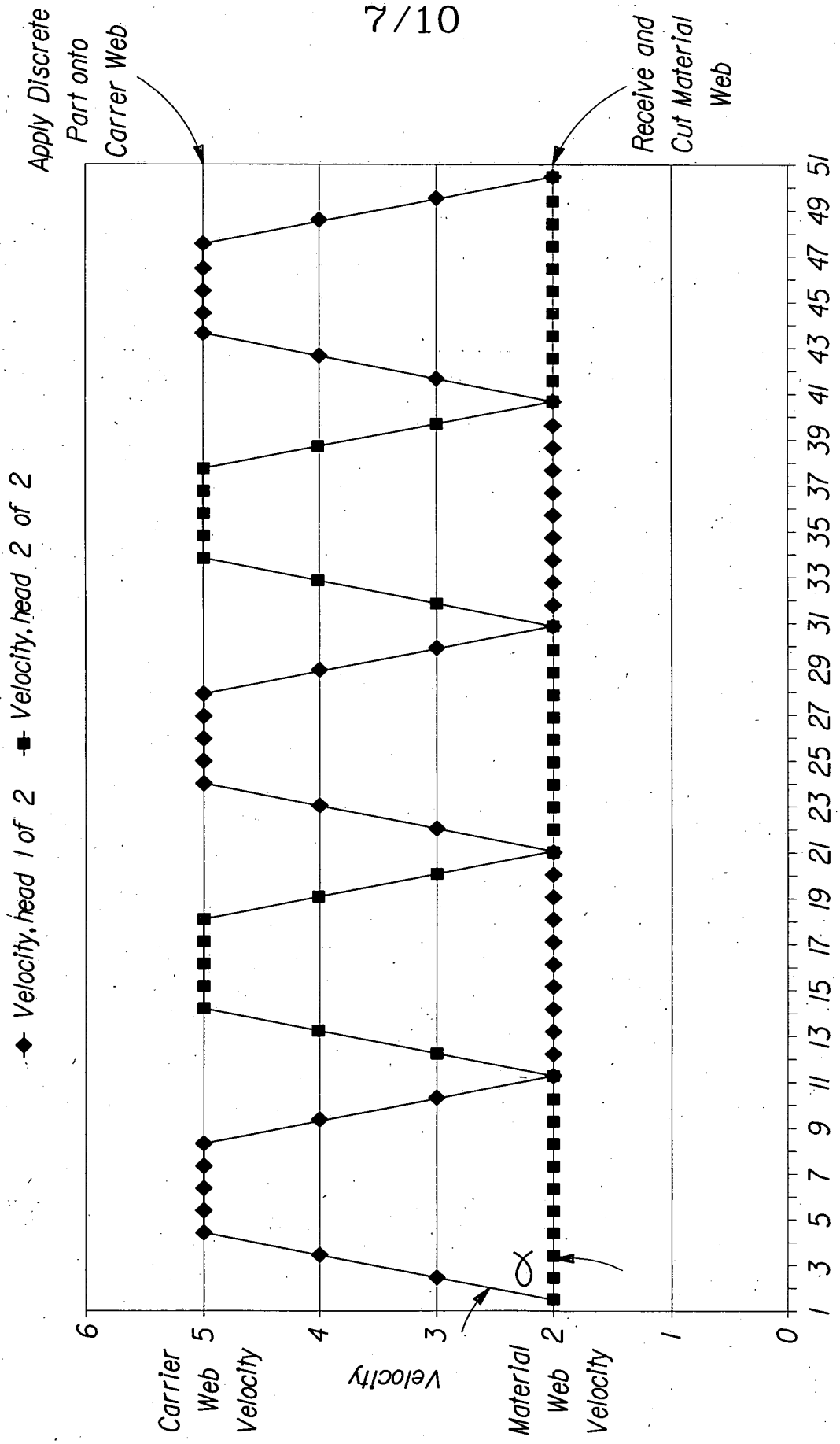


Fig. 5p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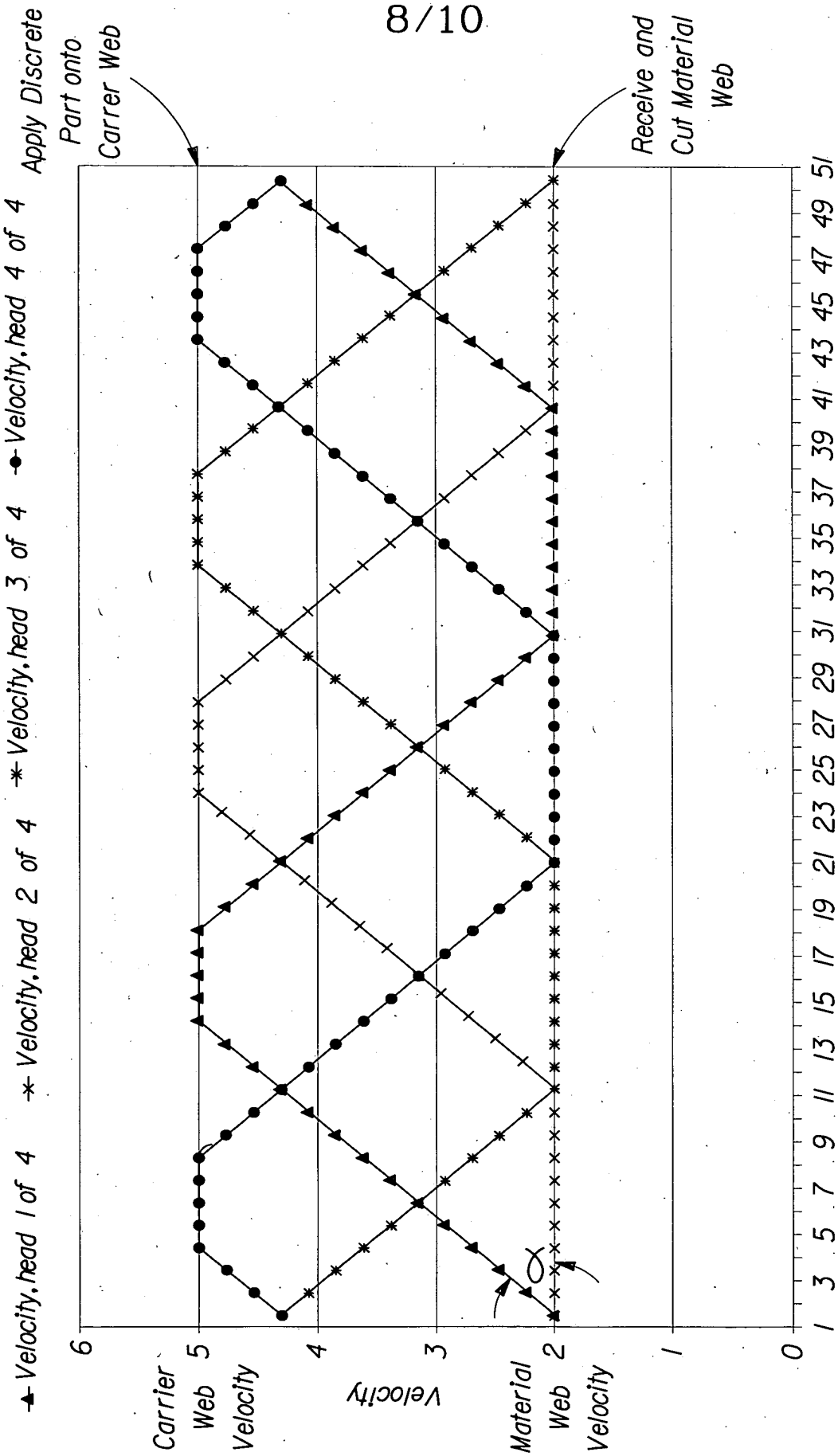
Receive and Cut Material Web
Velocity, head 1 of 2
Velocity, head 2 of 2
Carrier Web Velocity
Material Web Velocity
Velocity
Time
0
1
2
3
4
5
6
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51

Fig. 6


Apply Discrete Part onto Carrer Web
Receive and Cut Material Web
Velocity, head 1 of 4
Velocity, head 2 of 4
Velocity, head 3 of 4
Velocity, head 4 of 4
Carrier Web Velocity
Material Web Velocity
Velocity
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2
3
4
5
6
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51

Fig. 7

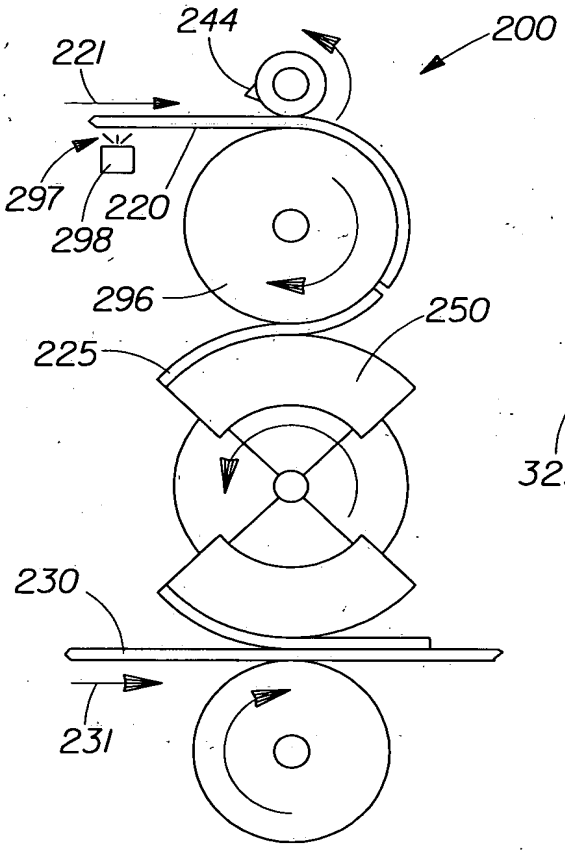

Fig. 8a
Prior Art

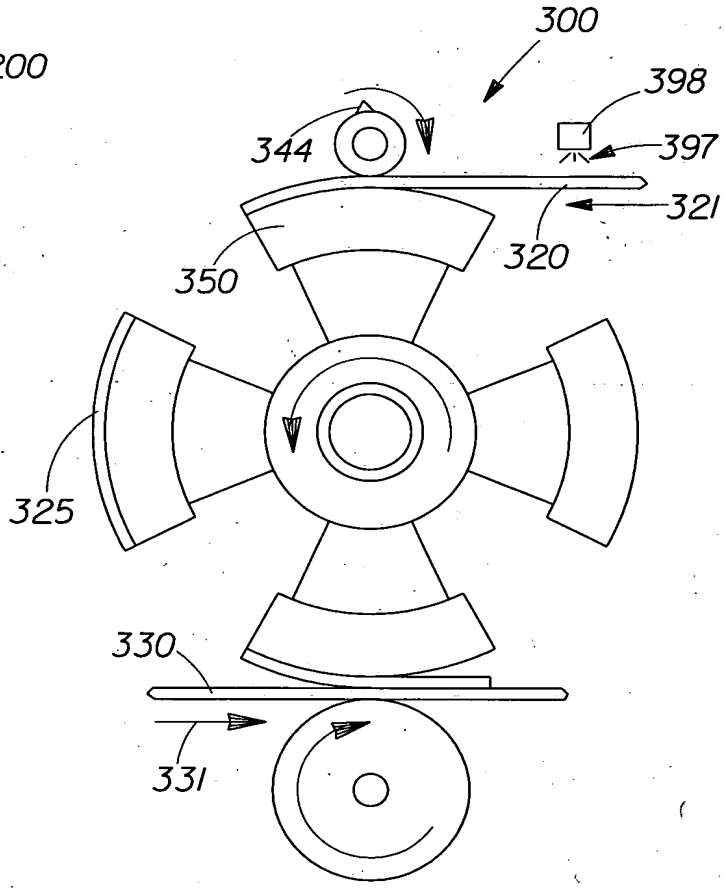

Fig. 8b
Prior Art

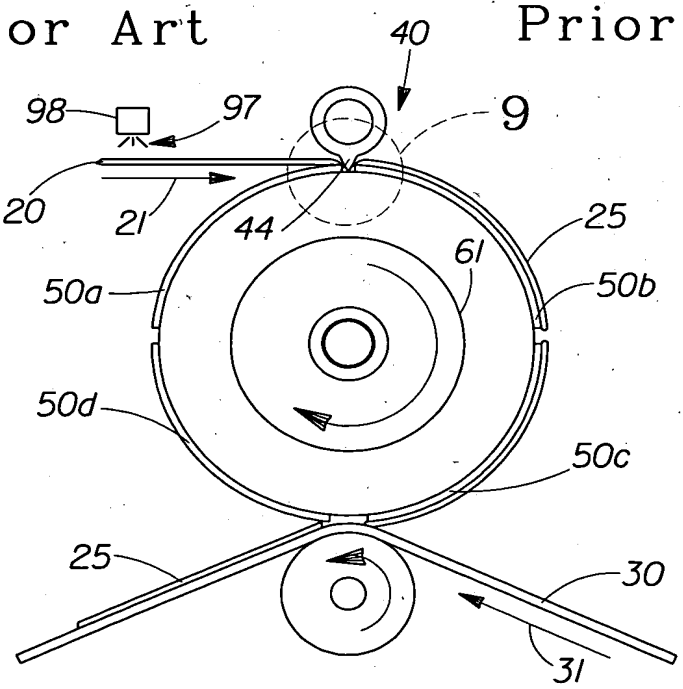

Fig. 8c

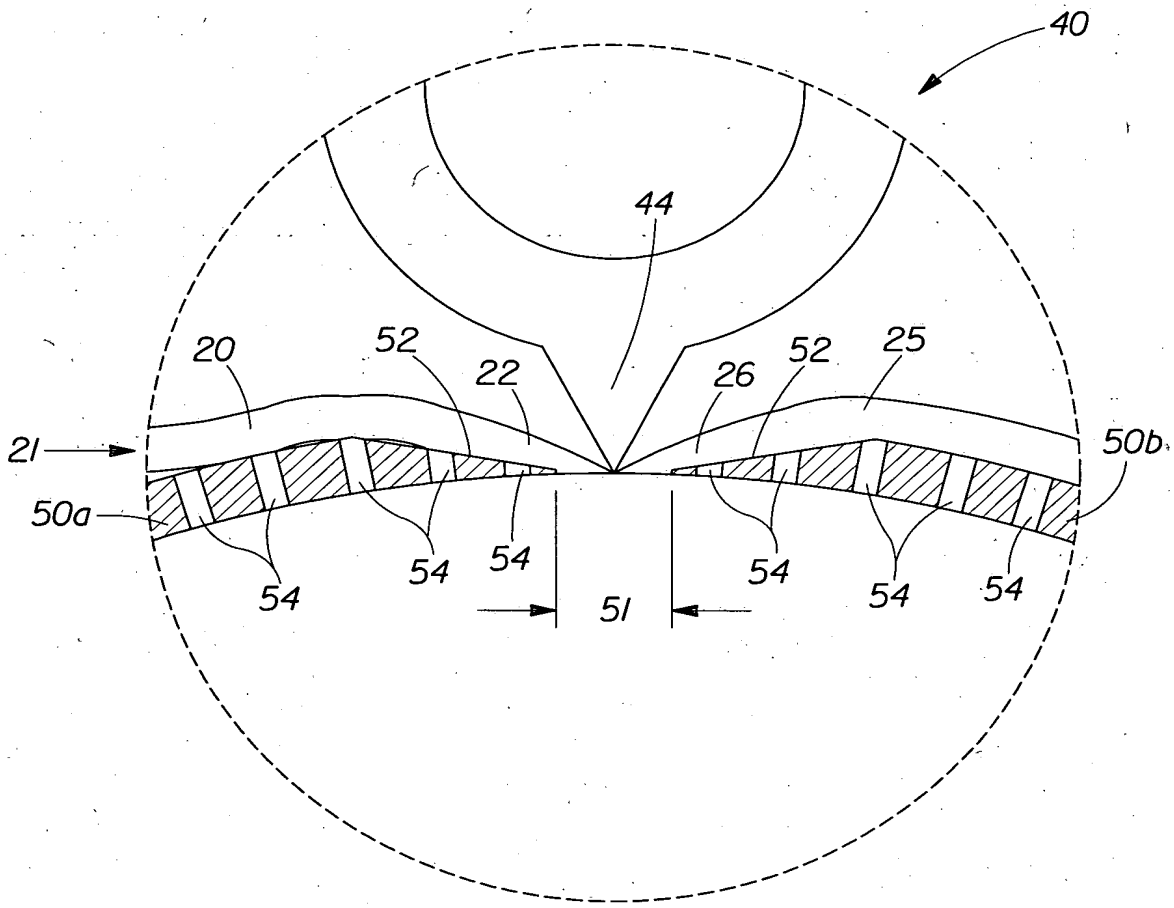

Fig. 9